HUMAN ECOLOGY
An Interdisciplinary Journal

Vol. 10, No. 1 **March 1982**

CONTENTS

POPREG I: A Simulation of Population Regulation Among the Maring of New Guinea 1
Michael L. Samuels

The Domestic Context of Production and Reproduction in a Guatemalan Community 47
Mary E. Odell

Island Population, Land Area, and Climate: A Case Study of the Marshall Islands 71
Ian Williamson and Michael D. Sabath

Volatility of Animal Wealth Among Southwest Asian Pastoralists 85
Daniel Bradburd

Ecology of a Pastoral Caste: Gavli Dhangars of Peninsular India 107
Madhav Gadgil and K. C. Malhotra

BOOK REVIEWS 145

HUMAN ECOLOGY
An Interdisciplinary Journal

Volume 10, No. 2 **June 1982**

CONTENTS

Nutritional Criteria in Machiguenga Food Production Decisions: A Linear-Programming Analysis 167
Allen Johnson and Clifford A. Behrens

The Mulberry Dike-Fish Pond Complex: A Chinese Ecosystem of Land-Water Interaction on the Pearl River Delta 191
Zhong Gongfu

Variation in Swidden Practices in Four Central Brazilian Indian Societies 203
Nancy M. Flowers, Daniel R. Gross, Madeline L. Ritter, and Dennis W. Werner

Biotope Gradient in a Diversified New Guinea Subsistence System 219
David C. Hyndman

BOOK REVIEWS 261

HUMAN ECOLOGY
An Interdisciplinary Journal

Vol. 10, No. 3 **September 1982**

CONTENTS

Foreword to Special Issue on Biology and Culture 287
William H. Durham

Interactions of Genetic and Cultural Evolution: Models and Examples 289
William H. Durham

Cultural Transmission and the Evolution of Cooperative Behavior 325
Robert Boyd and Peter J. Richerson

A Social Learning Model of Conflict and Cooperation in Human Societies 353
H. Ronald Pulliam

A Study of Cultural Transmission in Taiwan 365
Kuang-Ho Chen, L. L. Cavalli-Sforza, and M. W. Feldman

Culture Theory: The Developing Synthesis from Biology 383
Mark V. Flinn and Richard D. Alexander

Some Caveats about Cultural Transmission Models 401
Martin Daly

BRIEF COMMENT
Latitude and Intersocietal Variation of Human Sexual Dimorphism of Stature 409
Linda D. Wolfe and J. Patrick Gray

BOOK REVIEWS 417

HUMAN ECOLOGY

An Interdisciplinary Journal

Vol. 10, No. 4 **December 1982**

CONTENTS

Microdemographic Variation and Family Composition in Four Thai Villages 439
Brian L. Foster

The Ecology of Marine Exploitation in Prehistoric Hawaii 455
Patrick V. Kirch

Evolutionary Advantage of the Menopause 477
Peter J. Mayer

The Ecology of Human Birth Seasonality 495
R. G. Condon and Richard Scaglion